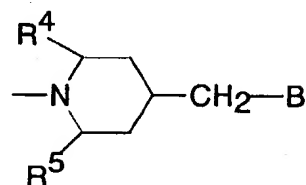
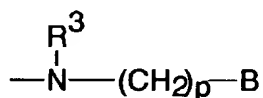


What is claimed is:

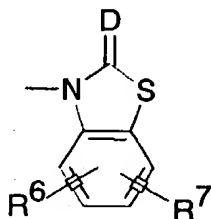
1. A compound represented by the following formula (I):  $X \cdot Q \cdot C(R^1)(R^2) \cdot Z$ , a salt thereof, and a hydrate thereof and a solvate thereof, wherein:

$R^1$  and  $R^2$  each independently represent hydrogen atom, an alkyl group, a cycloalkyl group, a hydroxyalkyl group, or an alkenyl group;

$Z$  represents either of the following groups:



wherein  $R^3$  represents an alkyl group, a cycloalkyl group, a hydroxyalkyl group, or an alkenyl group;  $p$  represents an integer of from 3 to 8;  $R^4$  and  $R^5$  each independently represent hydrogen atom or an alkyl group, or  $R^4$  and  $R^5$  represent a 5- to 7-membered heterocyclic group together with other intervening atoms; and  $B$  represents a group represented by the following formula:



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wherein  $R^6$  and  $R^7$  each independently represent a substituent selected from the group consisting of hydrogen atom, a halogen atom, nitro group, an alkyl group, a cycloalkyl group, an alkenyl group, a halogenated alkyl group, hydroxyl group, an alkoxyl group, a halogenated alkoxyl group, an alkoxycarbonyl group, phenyl group, a substituted or unsubstituted amino group, an alkylthio group, an alkylsulfinyl group, an alkylsulfonyl group, a substituted or unsubstituted sulfamoyl group, a substituted or unsubstituted carbamoyl group, an acyl group, cyano group, and an alkynyl group;

X = benzoxazol-3-yl

y.

and D represents sulfur atom, oxygen atom, or a group represented by  $\text{NR}^8$  wherein  $\text{R}^8$  represents a substituent selected from the group consisting of hydrogen atom, an alkyl group, a cycloalkyl group, a cycloalkyl-substituted alkyl group, an alkenyl group, a halogenated alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, an alkoxy carbonyl group, phenyl group, an alkylsulfinyl group, an alkylsulfonyl group, a substituted or unsubstituted sulfamoyl group, an alkylsulfonylamino group, an alkylcarbonylamino group, a substituted or unsubstituted carbamoyl group, an acyl group, cyano group and an alkynyl group; and

Q 4 d  
RS  
represent  
a 5 to  
7 membered  
het  
group  
C  
other  
inter  
action

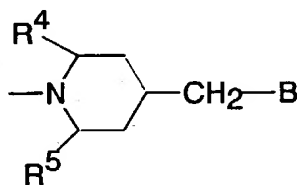
when X represents a monocyclic or polycyclic cycloalkyl group which may be substituted with an alkyl group, a cycloalkyl-substituted alkyl group, an aryl group, or a heteroaryl group, Q represents a group represented by  $-\text{CO}-$ ,  $-\text{C}(=\text{NOH})-$  or  $-\text{C}(\text{Y})(\text{A})-$  wherein Y represents hydrogen atom, an alkyl group, an alkenyl group, an alkynyl group, a monocyclic or polycyclic cycloalkyl group, a cycloalkyl-substituted alkyl group, an aryl group, an aryl-substituted alkyl group, a heteroaryl group, or a heteroaryl-substituted alkyl group, and A represents a group represented by  $-\text{OR}^9$  wherein  $\text{R}^9$  represents hydrogen atom, an alkyl group, a cycloalkyl group, a cycloalkyl-substituted alkyl group, an alkenyl group, an aryl group, an aryl-substituted alkyl group, a hydroxyalkyl group, or an acyl group, and when X represents a 8- to 10-membered bicyclic heteroaryl group containing one or two hetero atoms, Q represents a single bond.

2. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 1, wherein both of  $\text{R}^1$  and  $\text{R}^2$  are hydrogen atoms,  $\text{R}^3$  is an alkyl group, p is 4,  $\text{R}^4$  and  $\text{R}^5$  each independently represent hydrogen atom or an alkyl group,  $\text{R}^6$  and  $\text{R}^7$  each independently represent a substituent selected from the group consisting of hydrogen atom, a halogen atom, nitro group, an alkyl group, a halogenated alkyl group, and an alkoxyl group,  $\text{R}^8$  represents a substituent selected from the group consisting of hydrogen atom, an alkyl group, a halogenated alkyl group and an acyl group; when X represents a monocyclic or polycyclic cycloalkyl group which may be substituted with an alkyl group or a substituted or unsubstituted phenyl group (the substituent is at least one substituents selected from the group consisting of a halogen atom, an alkyl group, a halogenated alkyl group, an alkoxyl group, a halogenated alkoxyl group, cyano group and a substituted or unsubstituted

aminosulfonyloxy group), Q is a group represented by  $\cdot\text{CO}\cdot$ ,  $\cdot\text{C}(=\text{NOH})\cdot$  or  $\cdot\text{C}(\text{Y})(\text{A})\cdot$  where Y is hydrogen atom, and A is a group represented by  $\cdot\text{OR}^9$  wherein  $\text{R}^9$  is hydrogen atom, an alkyl group, or an acyl group, and when X is a 8- to 10-membered bicyclic heteroaryl group containing one or two hetero atoms, Q is a single bond.

3. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 2, wherein  $\text{R}^3$  is an alkyl group, both of  $\text{R}^4$  and  $\text{R}^5$  are hydrogen atoms,  $\text{R}^6$  is hydrogen atom,  $\text{R}^7$  is a substituent selected from the group consisting of hydrogen atom, a halogen atom, nitro group, an alkyl group, a halogenated alkyl group, and an alkoxy group, X represents a monocyclic or polycyclic cycloalkyl group which may be substituted with an alkyl group or a substituted or unsubstituted phenyl group (the substituent is at least one substituent selected from the group consisting of a halogen atom, an alkyl group, a halogenated alkyl group, an alkoxy group, a halogenated alkoxy group, cyano group, and a substituted or unsubstituted aminosulfonyloxy group), and Q is a group represented by  $\cdot\text{CO}\cdot$ ,  $\cdot\text{C}(=\text{NOH})\cdot$  or  $\cdot\text{C}(\text{Y})(\text{A})\cdot$  wherein Y is hydrogen atom, and A is a group represented by  $\cdot\text{OR}^9$  wherein  $\text{R}^9$  is hydrogen atom, an alkyl group, or an acyl group.

4. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 3, wherein Z is a group represented by the following formula:



5. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is a substituted or unsubstituted phenyl group.

6. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to *Claim 2* ~~any one of claims 2 through 5~~, wherein  $\text{R}^6$  is hydrogen atom,  $\text{R}^7$  is a halogen atom, and D is a group represented by  $\text{NR}^8$  wherein  $\text{R}^8$  is hydrogen atom or an alkyl group.

7. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to *Claim 2* ~~any one of claims 2 through 5~~, wherein  $\text{R}^6$  is hydrogen atom,  $\text{R}^7$  is a

halogen atom, and D is oxygen atom.

8. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to ~~any one of claims 2 through 7~~ <sup>Claim 2</sup>, wherein Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

9. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is chlorine atom, D is NH and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

10. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is chlorine atom, D is  $\text{NCH}_3$ , and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

11. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is fluorine atom, D is NH and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

12. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is trifluoromethyl group, D is NH and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

13. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is bromine atom, D is oxygen atom and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

14. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is chlorine atom, D is oxygen atom and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

15. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is p-fluorophenyl group,  $\text{R}^7$  is fluorine atom, D is oxygen atom and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

16. The compound or a salt thereof, or a hydrate thereof or a solvate thereof according to claim 4, wherein X is unsubstituted phenyl group,  $\text{R}^7$  is bromine atom, D is oxygen atom and Q is  $\text{-CO-}$  or  $\text{-CH(OH)-}$ .

17. A medicament comprising a substance selected from the group consisting of a compound and a salt thereof, and a hydrate thereof and a solvate thereof according to ~~any one of claims 1 through 16~~ <sup>Claim 1</sup> as an active ingredient.

18. A medicament according to claim 17, which is used for therapeutic and/or preventive treatment of a disease caused or promoted by the nerve controlling

function of a sigma ligand.

19. A sigma ligand comprising a substance selected from the group consisting of a compound and a salt thereof, and a hydrate thereof and a solvate thereof according to <sup>claims</sup> ~~any one of claims 1 through 10.~~

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